

DOCKET NO. : GLIS-0144



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3
PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Reissue Application of:

Kuei-Ying Lin
Mark D. Matteucci

U.S. Patent No.: 6,028,183

Issued: February 22, 2000

Serial No.: 08/966,392

Group Art Unit: 1623

Filing Date: November 7, 1997

Examiner: J. Wilson

For: Pyrimidine Derivatives and Oligonucleotides Containing Same

Assistant Commissioner for Patents
Washington, DC 20231

**COMBINED REISSUE APPLICATION DECLARATION AND POWER OF
ATTORNEY BY INVENTOR(S)**

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name;
and

I verily believe that I am the original, first and sole inventor (if only one name is listed below), or an original, first and joint inventor (if plural names are listed below) of the subject matter that is claimed in letters patent number **6,028,183** granted on **February 22, 2000** and in the foregoing specification and for which invention I solicit a reissue patent;

ACKNOWLEDGMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims.

I acknowledge the duty to disclose all information known to be material to the patentability of this application in accordance with 37 C.F.R. § 1.56.

DOCKET NO. : GLIS-0144

PATENT

In compliance with this duty attached herewith is an Information Disclosure Statement in accordance with 37 C.F.R. § 1.97.

STATEMENT OF INOPERATIVENESS OR INVALIDITY OF ORIGINAL PATENT
37 C.F.R. §1.175

That I believe the original patent to be

partly
 wholly

inoperative or invalid by reason of

a defective specification, drawing, both
 said patent claiming
 more
 less

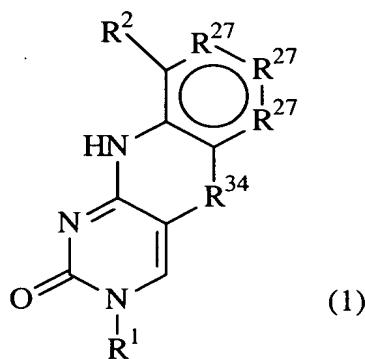
than patentee had a right to claim.

The scope of the claims of the original patent

are enlarged
 are not enlarged

by this reissue application.

Claims 3, 4, and 15 of U.S. Patent No. 6,028,183 (the 183 patent) erroneously contain substituent moieties that are technically incorrect. Claim 3, which depends on claim 1, is directed to a compound of the formula:

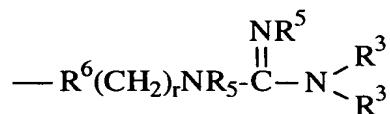


DOCKET NO. : GLIS-0144

PATENT

wherein R² is defined as, among other things, the group -R⁶-(CH₂)_tNR⁵C(NR⁵)(NR³)₂ (see, the 183 patent at column 79, lines 1-2). The substituent group, as written, however, contains an insufficient number of chemical bonds to the nitrogen atoms due to the inadvertent misplacement of the parenthesis associated with the group (NR³)₂. The recited structure is technically incorrect, as several of the nitrogen atoms are divalent.

Applicants have addressed this problem by amending claim 3 to recite the terminal portion of the R² substituent as N(R³)₂. This amendment assures that the substituent contains the intended terminal guanidine functionality: NR⁵C(NR⁵)N(R³)₂. The technically correct R² substituent may be represented structurally as:



Claims 4, 14, 15 also contain the inadvertent misplacement of the parenthesis associated with NR⁵C(NR⁵)N(R³)₂. For example, claim 4 recites, among other things, the groups -O-(CH₂)_tNR⁵C(NR⁵)(NR³)₂, -R⁶-(CH₂)_tNR⁵C(NR⁵)(NR³)₂, and -CH₂-(CH₂)_tNR⁵C(NR⁵)(NR³)₂. Accordingly, Applicants have amended claim 4 to replace these structures with -O-(CH₂)_tNR⁵C(NR⁵)N(R³)₂, -R⁶-(CH₂)_tNR⁵C(NR⁵)N(R³)₂, and -CH₂-(CH₂)_tNR⁵C(NR⁵)N(R³)₂, respectively. Claim 14 recites the group -R⁶-(CH₂)_tNR⁵C(NR⁵)(NR³)₂. Applicants have amended claim 14 to replace this structure with -R⁶-(CH₂)_tNR⁵C(NR⁵)N(R³)₂. Claim 15 recites, among other things, the groups -O-(CH₂)_tNR⁵C(NR⁵)(NR³)₂, -R⁶-(CH₂)_tNR⁵C(NR⁵)(NR³)₂, and -CH₂-(CH₂)_tNR⁵C(NR⁵)(NR³)₂. Applicants have amended claim 15 to replace these structures with -O-(CH₂)_tNR⁵C(NR⁵)N(R³)₂, -R⁶-(CH₂)_tNR⁵C(NR⁵)N(R³)₂, and -CH₂-(CH₂)_tNR⁵C(NR⁵)N(R³)₂, respectively.

Claims 4, 5, 14, and 15, as amended herein, are fully commensurate with the disclosure of the 183 patent as well as the underlying 392 application. The error being corrected in this reissue application up to the time of filing of this declaration under 37 C.F.R. §1.175(a) arose without any deceptive intention on the part of the applicants and/or patentees.

OFFER TO SURRENDER ORIGINAL PATENT 37 C.F.R. §1.178

Applicant hereby offers to surrender the original patent, the reissue of which is sought herein.

POWER OF ATTORNEY

I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith: **John W. Caldwell** and **Joseph Lucci**, Registration Nos. **28,937** and **33,307** of the firm of **WOODCOCK WASHBURN LLP**, One Liberty Place - 46th Floor, Philadelphia, Pennsylvania 19103.

Attached as part of this declaration and power of attorney is the authorization of the above named attorney(s) to accept and follow instructions from my representative.

Address all telephone calls and correspondence to:

Joseph Lucci
WOODCOCK WASHBURN LLP
 One Liberty Place - 46th Floor
 Philadelphia, PA 19103
 Telephone No. **215-568-3100**.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Name Kuei-Ying Lin	 Signature
Mailing Address 4774 Canvasback Common Fremont, CA 94555	Date of Signature <u>2/26/02</u>
City/State of Actual Residence Fremont, CA 94555	Citizenship <u>United States</u>

Name Mark D. Matteucci	 Signature
Mailing Address 135 Fawn Lane Portola Valley, CA 94028	Date of Signature <u>3/6/2002</u>
City/State of Actual Residence Portola Valley, CA 94028	Citizenship <u>United States</u>